US ERA ARCHIVE DOCUMENT

	ion Human Safe	ty Review	PM: Ja	ylor # 25	TOX Revi	ewer: W. Lu	eear 4	
EPA:#	PA:# Product Name					U. Classification   Toxicit		
1812-EF	RI 2/14/77	Flowable	atrasin	Q		63	Categor	
RECOMMEND	ATION:	//register	U	M other	(explain)			
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.43.0% - 14 pt Active Ingredient:.. Atrazine (2-chloro-4-ethylamine-6-

isopropylamino-s-triazine)...40.6% Related Compounds.......2.2%

Inert Ingredients:..... Total.....

Contains 4 lbs. Active Atrazine Per Gallon

KEEP OUT OF REACH OF CHILDREN - 14 pt CAUTION

See side panel for Precautionary Statements

Parramore & Griffin 11. pt. Valdosta, Georgia

EPA Est. No. 1812-Ga.-1

EPA Est. No. 1812-

Net Contents: 5 Gallons

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GENERAL INFORMATION - 8 pt Flowable Atrazine Herbicide controls most annual broadleaf and grass weeds in corn and sorghum.

Apply at the rates given under each crop before or after weeds emerge Use lower rates on light soils and low organic matter soils. Use high rates on heavier soils and high organic matter soils.

Atrazine acts mainly through root absorption so rainfall or irrigati is needed to move it into the root zone. Should weeds develop, a shallow cultivation or rotary hoeing will generally result in better

weed control. For combining with Atrazine, use a crop oil designated for use with Atrazine containing at least 1% suitable emulsifier. Oils contaminate with water or other materials can cause compatibility problems and/or crop injury.

Equipment Procedures for Atrazine and Emulsifiable Oil: 1. Thoroughly clean sprayer prior to use. Do not use sprayer contaminated with 2,4-or other materials as crop damage or sprayer clogging may result. 2. Fill the spray tank with water, allowing for the addition of Atrac 3. With the agitation system in operation, add the Atrazine. 4. Add the emulsifiable oil last. 5. Empty the tank as completely as possible before refilling to prevent a buildup of oil in the tank. Keep the agit ation system in operation to svoid a separation of the oil from the water in the spray mixture still remaining in the tank. 6. If an oil film starts to build up in the tank, drain the tank and clean out with a strong detergent solution or solvent. 7. Clean the sprayer thoroughly immediately after use by flushing the system with water

containing a detergent. NOTE: 1. Do not use oil in Atrazine sprays when corn or sorghum is un stress from prolonged cold, wat weather, poor fertility, or other factors or when corn or sorghum is wet and succulent from recent rain as crop injury may occur. 2. Do not use oils in sprays when treating inbred lines or any breeding stock as injury may occur. 3. Adding oth insecticides, herbicides, liquid fertilizers, or other materials is not recommended because they may cause competibility problems or cro injury. h. Store and handle emulsifiable oil carefully. Oil contamina with even a small amount of water may not emulsify properly when adde to the tank. 5. Do not make more than one application of Atrazine and emulsifiable oil in water per season. 6. All return lines to the tank

must discharge below liquid level.

case of contact, flush with plenty of water. For jes - Get medical atten

Keep this product away from domestic animals and foodstuff.

Keep out of lakes, streams, or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning or disposal of wastes.

NON-FLAMABLE

Directions For Use - 2 0

General Classification

It is a violation of Federal law to use this product in a manner inconsistan with its labeling.

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Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container. Pesticide, spray mixture or rinthat. cannot be used or chemically reprocessed should be disposed of in a latifill approved for pesticides or buried in a safe place away from water suppl Triple rinse (or equalivalent) and dispose in an incinerator or laudfill approved for pesticide containers, or bury in a safe place.

APPLICATION PROCEDURES - Ret Flowable Atrazine, a liquid formulation, should be mixed with water or liquifertilizer and applied as a spray. Pour Flowable Atrazine into the tank durifor after filling. Hydraulic (jet) or rechanical agitation is recommended durmixing and application to keep the material in suspension. All return lines the tank must discharge below liquid level and agitiaion should not be so vious as to cause air bubbles to form in the liquid. Wash sprayer thoroughly after GROUND APPLICATION: Apply Flowable Atrazine in 10-40 gallons of water per accassure even coverage unless otherwise specified. Use TeeJet 8002, 8003 or 80 fan type or other appropriate nozzles with equal or greater size openings for cast applications. Use TeeJet 8002-F, 8003-E or 8004-F or similar nozzles for band applications. Screens in nozzles and in suction and in-line strainers she no finer than 50-mesh. Use a pump with capacity sufficient to maintain 35-psi operating pressure.

AERIAL APPLICATIONS: Use only where broadcast applications are specified. Applications are specified.

a minimum of 1 gallon of water for each 2 pints of Flowable Atrazine to be apper acre. Do not apply where uniform coverage cannot be obtained or where exceptly drift may occur. Avoid application directly to animals or humans. Flaggor loaders should avoid inhalation of spray mist or contact with skin and showsh thoroughly before eating and at the end of each day's operation. Post-emergence Weed Control with Atrazine plus Emulsifiable Oin in Water. The addition of oil in Atrazine in water sprays may speed the activity of Atraziand provide quicker kill of weeds. However, under certain conditions the use oil may seriuosly damage corn or sorghum. To minimize the possibilty of damage

follow the directions and percautions given below:

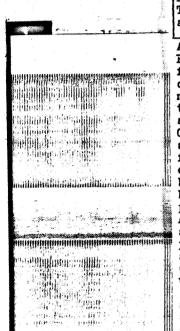
Precautions: 1.) Heavy rains immediately following application tend to result excessive concentrations of herbicide in seed furrow, resulting in possible conjury. Applications to furrow-planted sorghum should not be made until furroware leveled (plowed-in). Deep planter marks or seed furrows should also be lobefore application. 2.) Application made to sorghum growing under stress cause by minor element deficiency or to sorghum growing on highly calcerous soils result in crop injury.

3.) Do not plant any rotational crops other than those specified in the Suggestions For Rotational Crops section for 18 months following application 4.) Do not graze or feed forage from treated areas for 21 days following a cation. 5.) Following harvest of a reated crop, plow (moldboard or diskplosand thoroughly till the soil in fall or spring to minimize possible injury rotational springseeded crops, regardless of the rate used.

Suggestions For Retational Crops:

1.) Sorghum or corn may be planted the year following treatment. 2.) All other rotational crops may be planted 18 months after application. 3.) What the broadcast rate used does not exceed 2½ pts. per acre fall wheat may be planted 15 months after application.

The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or estables safe practices. The buyer must assume all responsibilty, including injury demanded resulting from its misuse as such or in combination with other manufacturer.



application will control most annual broadleaf and grass weeds such as trass, witchgrass (ranicum apillare), yellow foxtail green foxtail, wild or large (heir) crabgrass, g. int foxtail, velvetleaf, morningglory, lambsquartenigweed, ragweed, nightshade, purslane and mustard. Flowable Atrazine may be applied either before planting, at planting or after

Flowable Atrazina may be applied either before planting, at planting or afte planting at the rate indicated below. For preplant and pre-emerge application nitrogen solutions or complete liquid fertilizers may replace all or part of water as a carrier of Flowable Atrazine. Do not apply after corn has emerged there is danger of liquid fertilizers causing crop injury.

Preplant:

Proadcast in the spring after plowing at the rate indicated below. Apply befoluring, or after final seedbed preparation. If soil is tiled or worked after application, avoid deep incorporation of Flowable Atrazine. Best results have obtained when Atrazine is applied within two weeks prior to planting. Pre-emergence:

Apply duving or shortly after planting prior to weed emergence at the rate in below.

Post- emergence:

Apply before weeds exceed ly inches in height at the rate indicated below

	Rate per sore of Flwable Atracine				
	Broadcast in	20-inch band	13 inch ban		
	10-40 gals. of	in 5-20 gals.	in 4-14 gal		
Soil Texture	water / A	of water / A	of water /		
Light soils:					
Sands, foamy sands and					
sandy foams	4 pints	2 pints	1k pints		
Medium soils:					
Silt and clay foams that					
are low in organic matter	4 3/4 pts	2½ pts	1½ pints		
Heavy Soils:			경기도 있는데 보고 있다.		
Silt and clay loams with					
medium to high organic					
matter and clays	6 pts.	3 pts.	2 pts.		
Peats, mucks, and high organic					
clays (apply post-emergence					
only)	6 pts	3 pts.	2 pts.		

Based on 40-inch row spacing. For other band or row widths, adjust the ra in proportion to the area actually treated. orthern Nutgrass or Yellow Nutsedge (Cyperus esculentus) Control: Broadcast

orthern Nutgrass or Yellow Nutsedge (Cyperus esculentus) Control: Broadcast ber acre preplant, pre-emergence, or post-emergence before nutgrass is nor the inches high. If applied before nutgrass begins growth, cultivate within 2-inches high. If applied after nutgrass has enoughed, cultivate within 10-lly days.

Suackgrass Control on Land Going Into Corn Production:

iplit Application: Broadcast 4 pts. per acre in the fall or spring and plow 1 reeks later. Broadcast a second application at the rate of 4 pts. per acre in pring before, during, or after planting but before weeds are 1 2 inches high lingle Application: Broadcast 6-8 pts per acre in the fall or spring. Plow 1 reeks later.

ost-energence Weed Control With Atrazine Plus Emulsifiable Oil In Water:
round Application: Broadcast 4 pts. of Atrazine and 2 gal. of emulsifiable of onches
erial Application: Broadcast 4 pts. of Atrazine and 2 gal. of emulsifiable of n no less than 5 gals. of water per acre after weed emergence but before weed
each 12 inches high.

recautions:
.) Do not apply more than 8 pts. of Flowable Atrazine to corn in more than or ear. 2.) Land treated with Atrazine should not be planted to any crop except ntil the following year or injury may occur. 3.) Following harvest of a treat rop, plow (moldboard or diskplow) and thoroughly til the soil in fall or spring minimize possible injury to the rotational rrming-seeded crops, regardless rate used. 4.) If Atrazine is applied after June 10, do not retate with crops than corn or sorghum the next year or injury may occur. 5.) If Flowable Atraz used at higher broadcast rates than 6 pts. per acre (or comparable rates in and application), a crop of untreated corn or sorghum should precede the next violational crop. 6.) In the High Plains and Intermountain areas of the West with ainfall is sparce and erratic or where irrigation is required, use Atrazine ontrol weeds in corn only when corn is to follow corn or a crop of untreated r sorghum is to precede other rotational crops. 7.) In western Minnesota and rn parts of the Dakotas, Nebraska and Kansas, corn treated with Atrazine show of followed with sorbeans if the broadcast rate applied was more than 4 pts. I cre (or comparable rate in \$\tilde{a}\$ band) or injury may occur. 8.) Do not plant suggests, tobacc, vegetables (including dry beans), spring-seeded small grians, mall-seeded legumes and grasses the year following Atrazine application or in any occur. 9.) Do not graze sorghum and Sorghum-Sudan Hybrids (Grain and Forest

Entire bebel will be in red & green ink.
Right panel will be in 8 pt. type

